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DEPARTMENT OF HUMAN SERVICES
OFFICE OF MENTAL HEALTH AND
SUBSTANCE ABUSE SERVICES

Pennsylvania State Hospital and Restoration Center System: Length of Stay, Demographics, and Diagnoses Report

Pennsylvania Department of Human Services

Office of Mental Health and Substance Abuse Services

January 2019 – December 2019

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Introduction and Purpose

This report is created and prepared by the Pennsylvania Office of Mental Health and Substance Abuse Services (OMHSAS). The information contained within this report is extracted from the Patient Tracking System (PTS) of the State Facility Tracking System. The medical records staff at each of the six state hospitals and one restoration center are continually updating PTS with the necessary information of any individual served.

The purpose of this report is to provide the reader with an overview of lengths of stay, demographics, and diagnosis information, as it exists on the last day of the month for each of the state hospitals. This report is a limited data set designed for the purposes of research, public health, or health care operations in accordance with 45 C.F.R. § 164.502.

Counts of individuals that are less than 11 individuals include the designation of “<11” to protect the confidentiality of individuals in accordance with the Department’s data governance policies.

Each table, chart, and graph are labeled regarding the content contained within the visualization. For definitions of terminology and data used, please refer to the appendix.

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End of Month Census by Facility between January 1, 2019 and December 31, 2019

Month	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Jan. 2019	162	157	32	137	146	245	879	260	119	379	135	56	1449
Feb. 2019	157	158	33	137	147	246	878	272	112	384	134	56	1452
Mar. 2019	157	159	43	131	145	251	886	288	111	399	135	55	1475
Apr. 2019	155	156	53	136	141	253	894	285	118	403	137	55	1489
May 2019	155	159	61	131	142	258	906	288	116	404	135	56	1501
Jun. 2019	153	158	58	134	138	257	898	290	119	409	137	57	1501
Jul. 2019	149	156	60	129	145	257	896	291	122	413	136	57	1502
Aug. 2019	144	158	59	126	142	254	883	290	125	415	135	57	1490
Sep. 2019	145	158	70	124	142	256	895	295	125	420	136	57	1508
Oct. 2019	144	159	73	124	142	256	898	295	121	416	134	57	1505
Nov. 2019	143	159	75	123	140	261	901	295	104	399	135	57	1492
Dec. 2019	144	157	74	123	143	260	901	288	112	400	137	57	1495

This table provides the number of persons in each facility on the last day of each month. Counts are separated by facility and level of care.

Number of Admissions and Discharges per Facility between January 1, 2019 and December 31, 2019

Process	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Admissions	37	73	100	55	93	80	438	368	290	658	28	<11	1126
Discharges	60	74	57	73	90	67	421	333	297	630	27	<11	1079

This table provides the number of persons admitted to, and discharged from, each facility over the past year. Counts are separated by facility and level of care.

Age of Patients in the State Hospital System as of December 31, 2019

Age	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Census	144	157	74	123	143	260	901	288	112	400	137	57	1495
< 21	<11	<11	<11	<11	<11	<11	<11	<11	<11	12	<11	<11	23

Age	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
> 21	142	156	74	122	138	259	891	280	108	388	137	56	1472
30-39	22	22	12	22	20	38	136	76	18	94	<11	20	251
40-49	16	26	<11	27	18	43	138	57	19	76	<11	<11	219
50-59	38	39	12	24	35	44	192	59	18	77	15	<11	284
60-69	46	41	<11	28	41	68	234	36	17	53	46	<11	333
70-79	23	13	<11	<11	<11	18	72	<11	<11	16	42	<11	130
80-89	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	19	<11	31
90-99	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
> 65	40	28	<11	22	22	47	169	23	13	36	95	<11	300

This table provides the number of persons in each listed age range, as well as the end-of-year census. Counts are separated by facility and level of care.

Race and Gender for Patients in the State Hospital System as of December 31, 2019

Race and Gender	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
American Indian/Alaskan Native	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Asian/Pacific Islander	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	17
Black Hispanic	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Black Non-Hispanic	<11	16	41	13	19	48	145	174	42	216	26	<11	391
White Hispanic	<11	<11	<11	<11	<11	32	49	24	<11	28	<11	<11	83
White Non-Hispanic	129	138	23	106	119	169	684	79	64	143	104	51	982
Other	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Unknown	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Female	50	65	<11	48	61	80	309	63	22	85	52	<11	446
Male	94	92	69	75	82	180	592	225	90	315	85	57	1049

Race and Gender for Patients Discharged between January 1, 2019 and December 31, 2019

Race and Gender	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Asian/Pacific Islander	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	14
Black Hispanic	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	11

Race and Gender	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Black Non-Hispanic	<11	<11	33	<11	11	13	83	203	87	290	<11	<11	378
White Hispanic	<11	<11	<11	<11	<11	<11	12	26	<11	34	<11	<11	47
White Non-Hispanic	51	63	18	63	76	44	315	90	194	284	21	<11	621
Other	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Unknown	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Female	30	28	<11	28	40	28	160	72	61	133	13	<11	306
Male	30	46	51	45	50	39	261	261	236	497	14	<11	773

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Commitment Type of Patients in the State Hospital System as of December 31, 2019, Legal Status Code

Legal Status	Status Description	CLA	DAN	NOR	SOU	TOR	WAR	WER	Total
0	For use by Restoration Centers and ICF Units of State Mental Hospitals.	<11	<11	<11	23	<11	<11	<11	23
1	For use by Restoration Centers and SNF Units of State Mental Hospitals.	<11	<11	<11	67	<11	<11	<11	67
21	ACT 21 SRTP Commitment	<11	<11	<11	<11	57	<11	<11	57
2300	Voluntary admission of an adult.	<11	<11	<11	<11	<11	<11	<11	<11
2400	Conversion to voluntary from an involuntary commitment (302, 303, 304, or 305).	<11	<11	<11	<11	<11	<11	<11	<11
306	Transfer of involuntary committed persons from inpatient to outpatient status	<11	<11	<11	<11	<11	<11	<11	<11
3200	Involuntary emergency commitment.	<11	<11	<11	<11	<11	<11	<11	<11
3300	Extended involuntary emergency commitment.	<11	<11	<11	<11	<11	<11	<11	<11
3400	Involuntary commitment of a person currently receiving emergency involuntary treatment in a State Mental Hospital.	<11	<11	<11	<11	<11	<11	23	26
3500	Involuntary commitment of a person currently receiving voluntary treatment in a State Mental Hospital.	<11	<11	<11	<11	<11	<11	<11	<11
3600	Involuntary commitment of a person not currently receiving treatment in a State Mental Hospital or other psychiatric service.	<11	<11	<11	<11	<11	<11	19	19
3700	Involuntary commitment of a person currently receiving treatment in a psychiatric service other than a State Mental Hospital.	76	59	<11	<11	63	101	54	360
3800	Involuntary commitment of a person found not guilty by reason of insanity.	<11	<11	<11	<11	<11	<11	<11	<11
3900	Involuntary criminal commitment of a person found incompetent to stand trial on charges enumerated under Section 304.	<11	<11	<11	<11	<11	<11	<11	14
4000	Extended involuntary commitment.	33	95	<11	<11	51	37	139	360
4030	Hearing/Determination of Incompetency to Proceed/Stay/Dismiss	<11	<11	<11	<11	<11	<11	<11	<11
4100	Extended involuntary commitment of a person found not guilty by reason of insanity.	<11	<11	<11	<11	<11	<11	<11	<11
4200	Extended involuntary commitment of a person found incompetent to stand trial on charges enumerated under Section 304.	<11	<11	<11	<11	<11	<11	<11	<11
499	Other	<11	<11	<11	<11	<11	<11	<11	<11
7000	Involuntary commitment for up to 60 days of a person found incompetent to stand trial who is not mentally disabled.	<11	<11	306	<11	69	<11	<11	376
7500	Involuntary commitment for examination of a person convicted of a crime as an aid in sentencing.	<11	<11	<11	<11	<11	<11	<11	<11
8000	Involuntary emergency commitment of a person charged with or convicted of a criminal offense, including a person on probation or parole.	<11	<11	<11	<11	<11	<11	<11	<11
8200	Involuntary commitment of a person charged with or convicted of a criminal offense, including a person on probation or parole.	<11	<11	26	<11	25	<11	<11	61
8300	Extended involuntary commitment of a person charged with or convicted of a criminal offense, including a person on probation or parole.	<11	<11	<11	<11	<11	<11	<11	18
9900	Unclassified Commitments.	<11	<11	<11	<11	<11	<11	<11	<11

This table provides the number of patients in each facility that were admitted under specific legal status codes.

Commitment Type of Patients in the State Hospital System as of December 31, 2019, Section of the Law

Commitment Code	CLA	DAN	NOR	SOU	TOR	WAR	WER	Total
201b	<11	<11	<11	<11	<11	<11	<11	12
21	0	<11	<11	<11	57	<11	<11	57
304	88	61	35	<11	94	104	112	495
305	39	96	17	<11	61	37	141	391
402b	0	<11	306	<11	69	<11	<11	376
405	0	<11	<11	<11	<11	<11	<11	<11

This table provides the number of patients in each facility that were admitted under specific sections of the law.

Veteran Status of Patients in the State Hospital System as of December 31, 2019

Veteran Status	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Non-Veteran	143	148	73	118	139	260	881	285	107	392	129	57	1,459
Veteran	<11	<11	<11	<11	<11	<11	20	<11	<11	<11	<11	<11	36

This table provides details regarding the veteran status of patients in each facility, separated by level of care.

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Level of Education of Patients in the State Hospital System as of December 31, 2019

Level of Education	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Second Grade	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Third Grade	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Fourth Grade	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Fifth Grade	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Sixth Grade	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Seventh Grade	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Eighth Grade	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	24
Ninth Grade	<11	<11	<11	<11	<11	<11	16	<11	<11	<11	<11	<11	27
Tenth Grade	<11	<11	<11	<11	<11	12	30	<11	<11	<11	14	<11	50
Eleventh Grade	<11	15	<11	<11	<11	17	37	<11	<11	<11	<11	<11	50
Twelfth Grade	21	95	<11	76	<11	79	280	<11	59	61	45	48	434
First Year College	<11	<11	<11	<11	<11	<11	22	<11	<11	<11	<11	<11	29
Second Year College	<11	<11	<11	<11	<11	<11	23	<11	<11	<11	<11	<11	34
Third Year College	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	12
Fourth Year College	<11	13	<11	<11	<11	<11	26	<11	<11	<11	<11	<11	36
Special Education (inc. persons presently enrolled)	<11	<11	<11	<11	<11	<11	11	<11	<11	<11	<11	<11	16
Attended school but never completed grade	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11

This table provides details regarding the level of education of patients in each facility, separated by level of care. Data for level of education was collected at time of admission. Please note that only 49.5% of data have valid entries for employment status. Invalid entries have been filtered out.

Marital status of Patients in the State Hospital System as of December 31, 2019

Marital Status	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Divorced	12	25	<11	22	16	28	105	<11	<11	19	36	<11	160
Married	<11	<11	<11	<11	<11	<11	32	13	<11	23	11	<11	66
Separated	<11	<11	<11	<11	<11	<11	18	<11	<11	<11	<11	<11	24
Single	117	119	66	94	108	175	679	238	83	321	68	57	1,125
Widowed	<11	<11	<11	<11	<11	<11	16	<11	<11	<11	12	<11	31

This table provides details regarding the marital status of patients in each facility, separated by level of care. Data for marital status was collected at time of admission.

Please note that only 94.1% of data have valid entries for employment status. Invalid entries have been filtered out.

Employment Status of Patients in the State Hospital System as of December 31, 2019

Employment Status	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Employed - Full-Time	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Employed - Part-Time (Sheltered workshop - Competitive)	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Retired	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	16
Unemployed - (includes not gainfully employed)	<11	141	<11	24	73	54	295	<11	64	69	115	<11	481

This table provides details regarding the employment status of patients in each facility, separated by level of care. Data for employment status was collected at time of admission. Please note that only 33.7% of data have valid entries for employment status. Invalid entries have been filtered out.

Length of Stay for Patients Discharged between January 1, 2019 and December 31, 2019, Lower Range

LOS	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
< 6 months	<11	14	44	<11	30	<11	110	192	237	429	<11	<11	544
< 12 months	23	33	47	33	55	12	203	250	273	523	<11	<11	734
< 2 Years	35	50	47	47	73	28	280	295	292	587	<11	<11	876
< 3 Years	42	58	51	53	77	35	316	311	295	606	<11	<11	932
< 4 Years	48	62	52	57	80	45	344	315	296	611	12	<11	967
< 5 Years	51	64	53	60	82	47	357	316	296	612	19	<11	988
< 10 Years	56	72	54	66	89	54	391	328	297	625	24	<11	1,040
< 15 Years	58	73	54	69	90	62	406	331	297	628	26	<11	1,061
< 20 Years	59	74	56	71	90	65	415	332	297	629	26	<11	1,071
< 25 Years	60	74	56	73	90	65	418	332	297	629	27	<11	1,075
< 30 Years	60	74	56	73	90	65	418	333	297	630	27	<11	1,076
< 40 Years	60	74	56	73	90	66	419	333	297	630	27	<11	1,077
< 50 Years	60	74	56	73	90	66	419	333	297	630	27	<11	1,077

This table provides the number of patients discharged during the past year whose length of stay in the state hospital system is less than a specified length of time. Counts are separated by facility and level of care.

This table is also available separated by mental health diagnosis later in this document.

Distributions and Mean Lengths of Stay

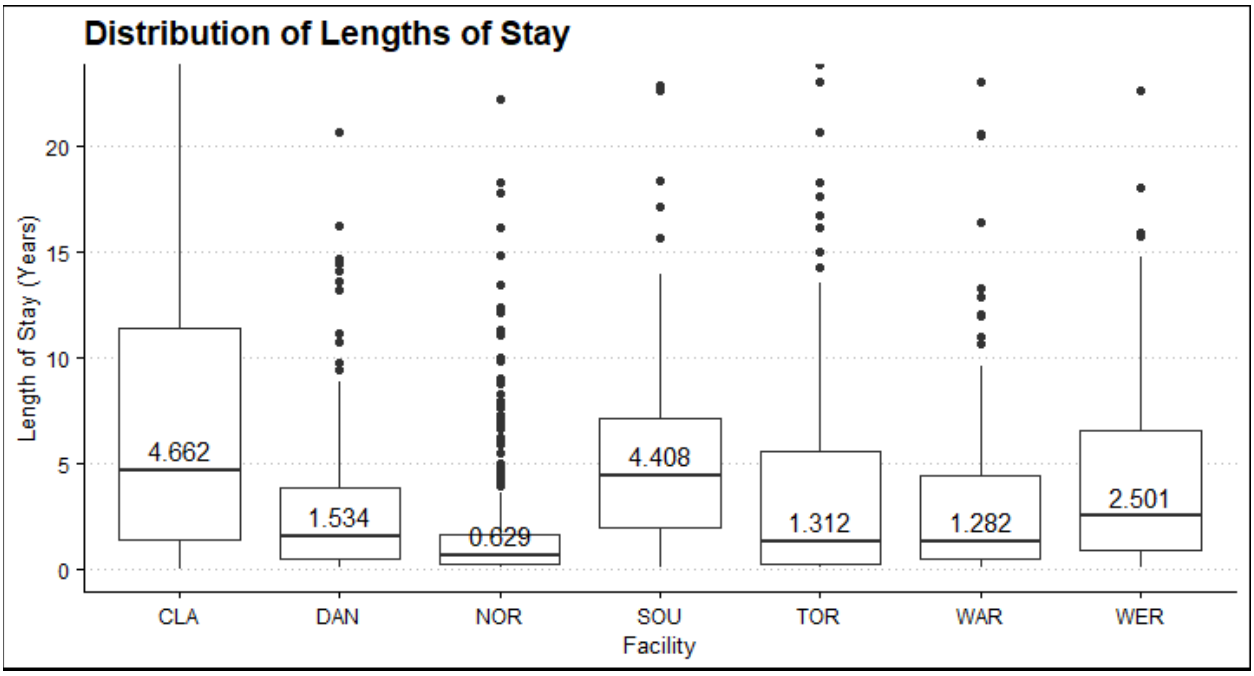
The plots in this section detail the distribution of lengths of stay at each state hospital and are separated by level of care. This section also contains plots that detail the average length of stay for each state hospital.

Mean and Median Lengths of Stay of Patients in the State Hospital System as of December 31, 2019

Measure	Psychiatric						Forensic		Long Term	SRTP
	CLA	DAN	NOR	TOR	WAR	WER	NOR	TOR	SOU	TOR
Mean	7.5	4.19	2.94	4.96	3.78	4.67	1.96	0.99	5.07	7.5
Median	4.66	1.53	0.45	1.87	1.28	2.5	0.7	0.26	4.41	7.45

This table displays the mean and median lengths of stay, separated by state hospital and level of care by number of years.

Distribution of Lengths of Stay of Patients in the State Hospital System as of December 31, 2019, All Levels of Care

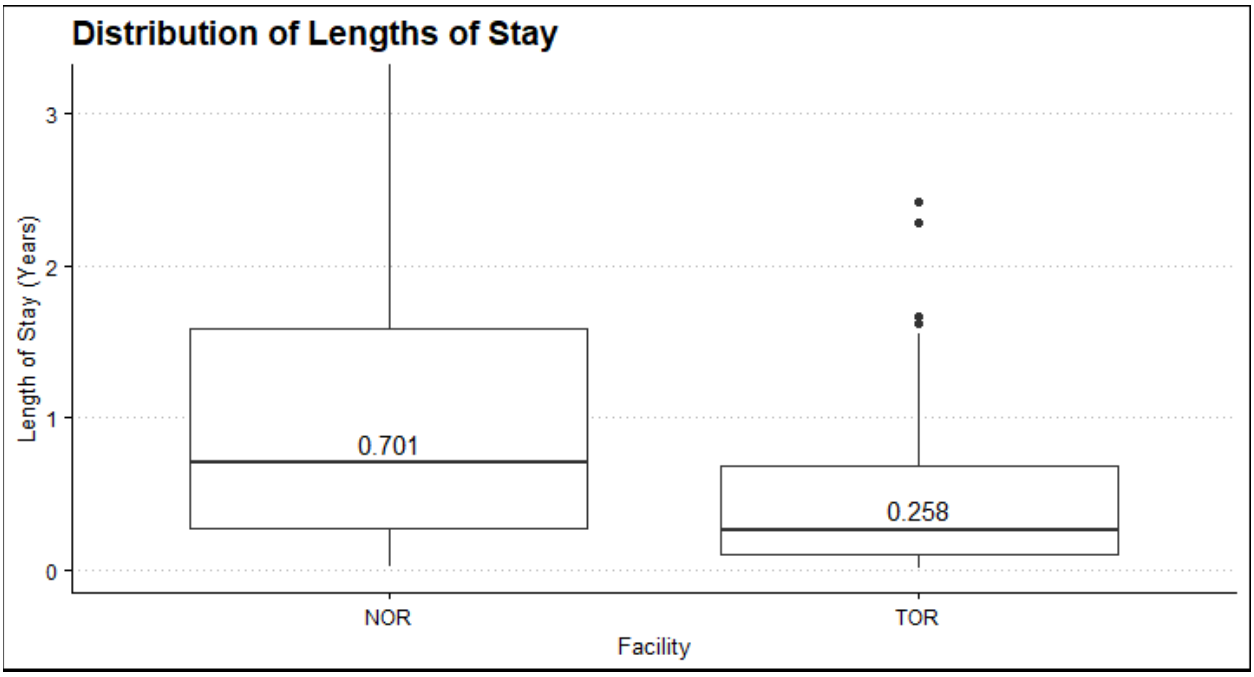


This plot displays the distribution of lengths of stay for patients in all levels of care using a boxplot. Please note that any values above 22.7 years (twice the greatest third quartile) are not displayed (this has no effect on the distribution).

The lower and upper ends of the box represent the first and third quartiles, respectively, while the line through the middle of the box represents the median. For example, the median for CLA on this plot is approximately 4.662 years, the first quartile is 1.381

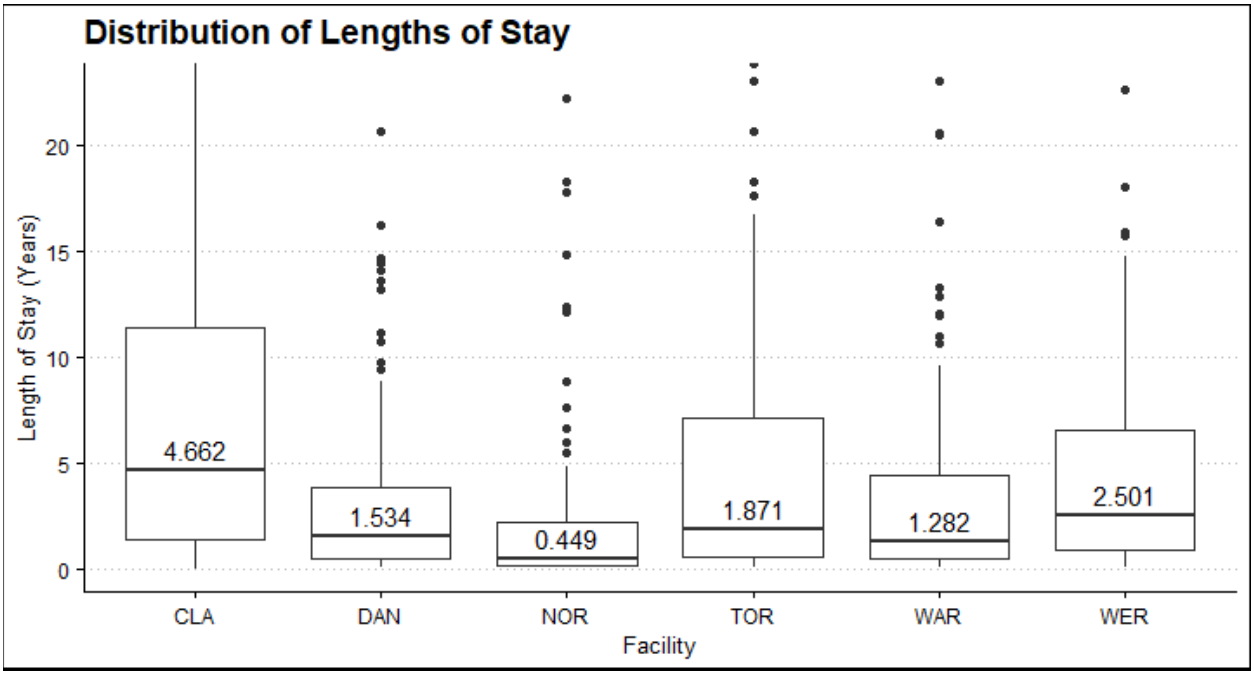
years, and the third quartile is 11.359 years. On a box plot, 25% of the data fits between each quartile. Therefore, for CLA on this plot, 25% of the lengths of stay at CLA are below 1.381 years, 25% of lengths of stay are between 1.381 years and 4.662 years, 25% are between 4.662 years and 11.359 years, and 25% are above 11.359 years.

Distribution of Lengths of Stay of Patients in the State Hospital System as of December 31, 2019, Forensic Care



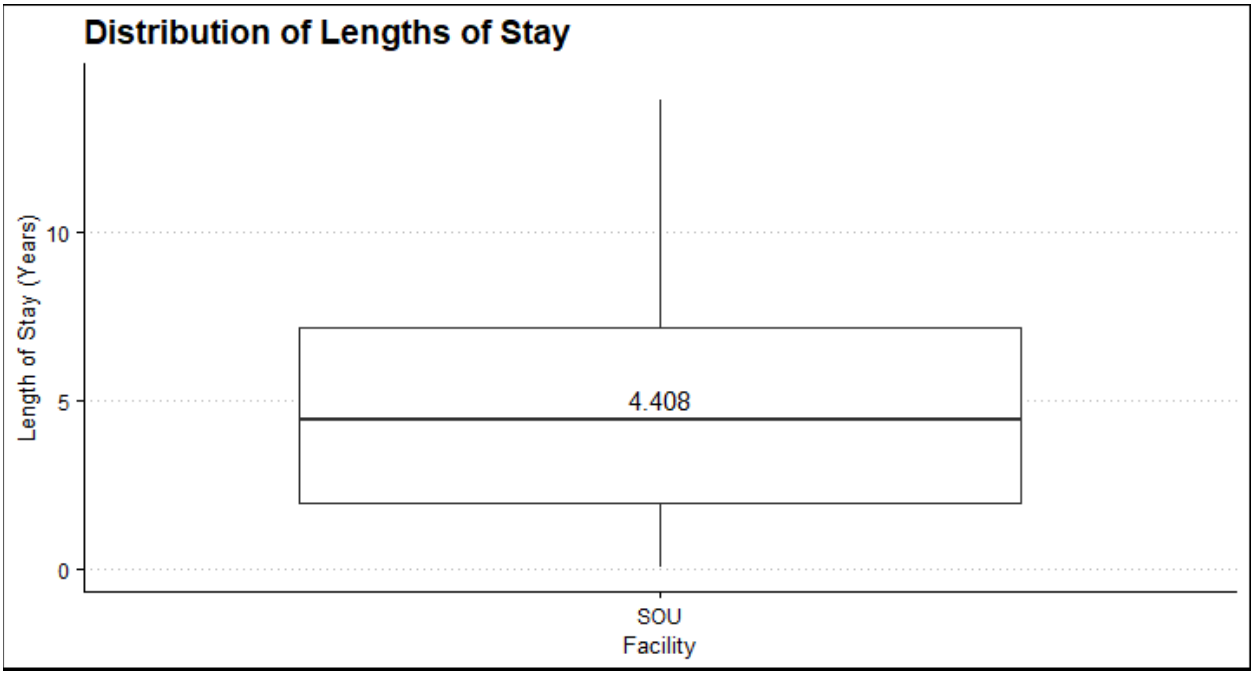
This plot displays the distribution of lengths of stay for patients in forensic care using a boxplot. The lower and upper ends of the box represent the first and third quartiles, respectively, while the line through the middle of the box represents the median (labeled). Please note that any values above 3.2 years (twice the greatest third quartile) are not displayed (this has no effect on the distribution).

Distribution of Lengths of Stay of Patients in the State Hospital System as of December 31, 2019, Psychiatric Care



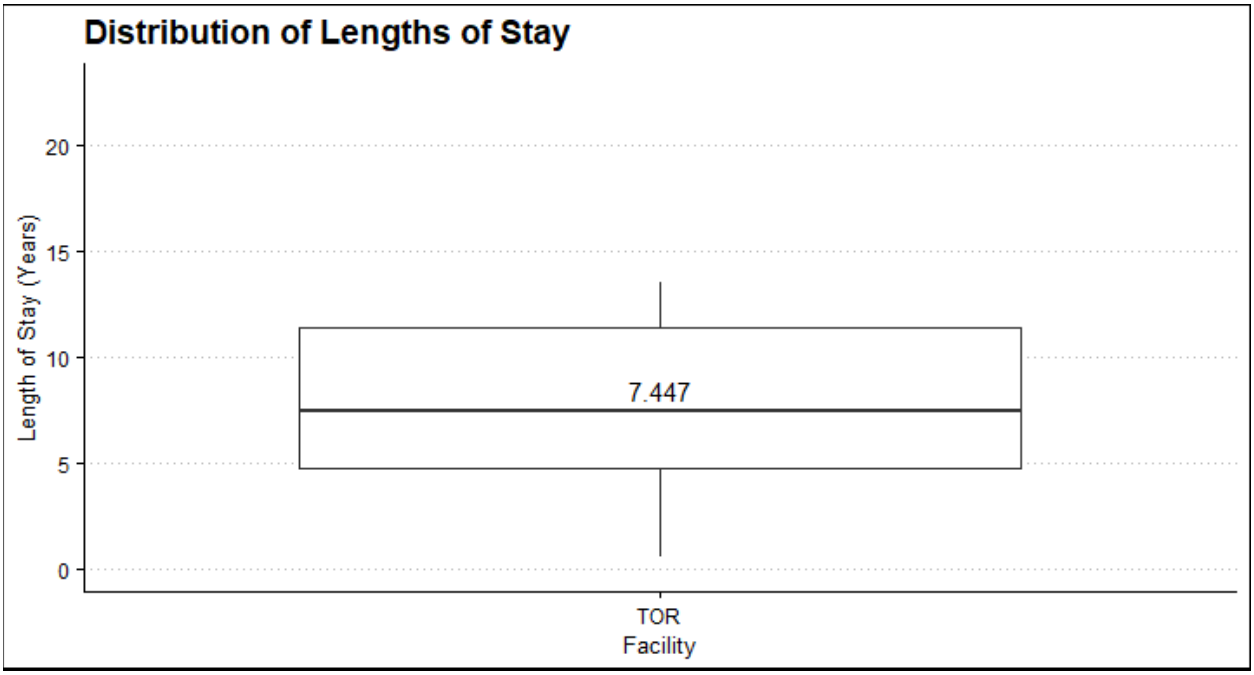
This plot displays the distribution of lengths of stay for patients in psychiatric care using a boxplot. The lower and upper ends of the box represent the first and third quartiles, respectively, while the line through the middle of the box represents the median (labeled). Please note that any values above 22.7 years (twice the greatest third quartile) are not displayed (this has no effect on the distribution).

Distribution of Lengths of Stay of Patients in the State Hospital System as of December 31, 2019, Long Term Care



This plot displays the distribution of lengths of stay for patients in long term care using a boxplot. The lower and upper ends of the box represent the first and third quartiles, respectively, while the line through the middle of the box represents the median (labeled). Please note that any values above 14.3 years (twice the greatest third quartile) are not displayed (this has no effect on the distribution).

Distribution of Lengths of Stay of Patients in the State Hospital System as of December 31, 2019, Sexual Responsibility and Treatment Program



This plot displays the distribution of lengths of stay for patients in the sexual responsibility and treatment program using a boxplot. The lower and upper ends of the box represent the first and third quartiles, respectively, while the line through the middle of the box represents the median (labeled). Please note that any values above 22.7 years (twice the greatest third quartile) are not displayed (this has no effect on the distribution).

County of Origin for New Patients

This section breaks down the new patients to the state hospital system by county of origin and provides the raw counts of patients admitted from each county, and that county's total population. Additionally, these charts display the percent of all new patients that were admitted from each county, and the percent of the PA state population that resides within that county.

The "Significance Level" column displays the level of statistical significance of the difference between the "Percent of Total Patients Admitted" and the "County's Proportion of State Population." For more information, see the "Methodology" section of the appendix.

High statistical significance indicates that there is a significant difference between the proportion of patients in PA state hospitals that originate from a given county and that county's proportion of the state population. If each county committed the same number of patients to the state hospitals after adjusting for differences in population between counties, then the difference between these proportions should not be statistically significant.

If a county did not commit any patients to the state hospital system during the year, then that county will not be displayed in the table. Their population will still be taken into account when calculating population proportions.

County of Origin for New Patients between January 1, 2019 and December 31, 2019, All Levels of Care, Raw Counts and Proportions

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Adams	102023	0.798%	<11	0.266%	Not Significant
Allegheny	1225561	9.581%	114	10.124%	Not Significant
Armstrong	66331	0.519%	<11	0.355%	Not Significant
Bedford	48611	0.38%	<11	0.266%	Not Significant
Berks	416642	3.257%	38	3.375%	Not Significant
Blair	123842	0.968%	12	1.066%	Not Significant
Bradford	61304	0.479%	<11	0.622%	Not Significant
Bucks	626370	4.897%	35	3.108%	Significant (0.01)
Butler	186566	1.459%	<11	0.71%	Significant (0.05)
Cambria	134550	1.052%	<11	0.622%	Not Significant
Cameron	4686	0.037%	<11	0.444%	Significant (0.001)
Carbon	63931	0.5%	<11	0.266%	Not Significant
Centre	161443	1.262%	<11	0.71%	Not Significant
Chester	517156	4.043%	20	1.776%	Significant (0.001)
Clarion	38827	0.304%	<11	0.355%	Not Significant
Clearfield	80216	0.627%	16	1.421%	Significant (0.01)
Clinton	39074	0.305%	<11	0.266%	Not Significant
Columbia	66220	0.518%	<11	0.622%	Not Significant
Crawford	86164	0.674%	<11	0.622%	Not Significant
Cumberland	247433	1.934%	12	1.066%	Significant (0.05)
Dauphin	274515	2.146%	18	1.599%	Not Significant
Delaware	563527	4.406%	45	3.996%	Not Significant
Elk	30608	0.239%	<11	0.178%	Not Significant
Erie	275972	2.158%	40	3.552%	Significant (0.01)
Fayette	132289	1.034%	<11	0.888%	Not Significant

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Forest	7351	0.057%	<11	0.089%	Not Significant
Franklin	153751	1.202%	32	2.842%	Significant (0.001)
Greene	37144	0.29%	<11	0.089%	Not Significant
Huntingdon	45421	0.355%	<11	0.266%	Not Significant
Indiana	85755	0.67%	<11	0.266%	Not Significant
Jefferson	44084	0.345%	<11	0.266%	Not Significant
Lackawanna	211454	1.653%	17	1.51%	Not Significant
Lancaster	538347	4.209%	33	2.931%	Significant (0.05)
Lawrence	87382	0.683%	<11	0.266%	Not Significant
Lebanon	138674	1.084%	<11	0.266%	Significant (0.05)
Lehigh	362613	2.835%	20	1.776%	Significant (0.05)
Luzerne	317884	2.485%	17	1.51%	Significant (0.05)
Lycoming	114859	0.898%	15	1.332%	Not Significant
McKean	41806	0.327%	<11	0.533%	Not Significant
Mercer	112630	0.881%	30	2.664%	Significant (0.001)
Mifflin	46362	0.362%	<11	0.622%	Not Significant
Monroe	167586	1.31%	20	1.776%	Not Significant
Montgomery	821301	6.421%	39	3.464%	Significant (0.001)
Montour	18294	0.143%	<11	0.178%	Not Significant
Northampton	301778	2.359%	<11	0.71%	Significant (0.001)
Northumberland	92325	0.722%	13	1.155%	Not Significant
Out of State	<11	0%	<11	0.888%	Significant (0.001)
Philadelphia	1575522	12.317%	286	25.4%	Significant (0.001)
Pike	55498	0.434%	<11	0.089%	Not Significant
Potter	16937	0.132%	<11	0.178%	Not Significant
Schuylkill	143555	1.122%	22	1.954%	Significant (0.05)
Snyder	40466	0.316%	<11	0.178%	Not Significant
Somerset	74949	0.586%	<11	0.355%	Not Significant

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Sullivan	6177	0.048%	<11	0.089%	Not Significant
Tioga	41226	0.322%	<11	0.266%	Not Significant
Venango	52376	0.409%	<11	0.444%	Not Significant
Warren	40035	0.313%	<11	0.444%	Not Significant
Washington	207547	1.623%	<11	0.444%	Significant (0.01)
Wayne	51536	0.403%	<11	0.266%	Not Significant
Westmoreland	354751	2.773%	37	3.286%	Not Significant
York	444014	3.471%	21	1.865%	Significant (0.01)

County of Origin for New Patients between January 1, 2019 and December 31, 2019, Psychiatric Care, Raw Counts and Proportions

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Allegheny	1225561	9.581%	<11	1.142%	Significant (0.001)
Armstrong	66331	0.519%	<11	0.457%	Not Significant
Bedford	48611	0.38%	<11	0.228%	Not Significant
Berks	416642	3.257%	24	5.479%	Significant (0.05)
Blair	123842	0.968%	11	2.511%	Significant (0.01)
Bradford	61304	0.479%	<11	0.228%	Not Significant
Bucks	626370	4.897%	<11	2.283%	Significant (0.05)
Butler	186566	1.459%	<11	1.598%	Not Significant
Cambria	134550	1.052%	<11	0.913%	Not Significant
Cameron	4686	0.037%	<11	1.142%	Significant (0.001)
Centre	161443	1.262%	<11	0.913%	Not Significant
Chester	517156	4.043%	<11	1.598%	Significant (0.05)
Clarion	38827	0.304%	<11	0.685%	Not Significant
Clearfield	80216	0.627%	<11	2.283%	Significant (0.001)
Columbia	66220	0.518%	<11	0.685%	Not Significant
Crawford	86164	0.674%	<11	0.913%	Not Significant
Cumberland	247433	1.934%	<11	1.142%	Not Significant
Dauphin	274515	2.146%	<11	2.283%	Not Significant
Delaware	563527	4.406%	11	2.511%	Not Significant
Elk	30608	0.239%	<11	0.228%	Not Significant
Erie	275972	2.158%	27	6.164%	Significant (0.001)
Fayette	132289	1.034%	<11	1.37%	Not Significant
Forest	7351	0.057%	<11	0.228%	Not Significant
Franklin	153751	1.202%	<11	1.142%	Not Significant
Huntingdon	45421	0.355%	<11	0.685%	Not Significant

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Indiana	85755	0.67%	<11	0.228%	Not Significant
Jefferson	44084	0.345%	<11	0.228%	Not Significant
Lackawanna	211454	1.653%	15	3.425%	Significant (0.01)
Lancaster	538347	4.209%	13	2.968%	Not Significant
Lawrence	87382	0.683%	<11	0.228%	Not Significant
Lebanon	138674	1.084%	<11	0.685%	Not Significant
Lehigh	362613	2.835%	12	2.74%	Not Significant
Luzerne	317884	2.485%	12	2.74%	Not Significant
Lycoming	114859	0.898%	<11	1.598%	Not Significant
McKean	41806	0.327%	<11	1.37%	Significant (0.001)
Mercer	112630	0.881%	24	5.479%	Significant (0.001)
Monroe	167586	1.31%	<11	1.37%	Not Significant
Montgomery	821301	6.421%	<11	2.055%	Significant (0.001)
Montour	18294	0.143%	<11	0.457%	Not Significant
Northampton	301778	2.359%	<11	1.598%	Not Significant
Northumberland	92325	0.722%	<11	2.283%	Significant (0.001)
Out of State	<11	0%	<11	0.685%	Significant (0.001)
Philadelphia	1575522	12.317%	67	15.297%	Not Significant
Pike	55498	0.434%	<11	0.228%	Not Significant
Potter	16937	0.132%	<11	0.228%	Not Significant
Schuylkill	143555	1.122%	19	4.338%	Significant (0.001)
Snyder	40466	0.316%	<11	0.228%	Not Significant
Somerset	74949	0.586%	<11	0.228%	Not Significant
Sullivan	6177	0.048%	<11	0.228%	Not Significant
Tioga	41226	0.322%	<11	0.685%	Not Significant
Venango	52376	0.409%	<11	0.457%	Not Significant
Warren	40035	0.313%	<11	0.913%	Not Significant
Wayne	51536	0.403%	<11	0.457%	Not Significant

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Westmoreland	354751	2.773%	20	4.566%	Significant (0.05)
York	444014	3.471%	<11	2.283%	Not Significant

County of Origin for New Patients between January 1, 2019 and December 31, 2019, Forensic Care, Raw Counts and Proportions

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Adams	102023	0.798%	<11	0.456%	Not Significant
Allegheny	1225561	9.581%	109	16.565%	Significant (0.001)
Armstrong	66331	0.519%	<11	0.304%	Not Significant
Bedford	48611	0.38%	<11	0.304%	Not Significant
Berks	416642	3.257%	14	2.128%	Not Significant
Blair	123842	0.968%	<11	0.152%	Not Significant
Bradford	61304	0.479%	<11	0.912%	Not Significant
Bucks	626370	4.897%	25	3.799%	Not Significant
Butler	186566	1.459%	<11	0.152%	Significant (0.01)
Cambria	134550	1.052%	<11	0.304%	Not Significant
Carbon	63931	0.5%	<11	0.456%	Not Significant
Centre	161443	1.262%	<11	0.608%	Not Significant
Chester	517156	4.043%	13	1.976%	Significant (0.01)
Clarion	38827	0.304%	<11	0.152%	Not Significant
Clearfield	80216	0.627%	<11	0.912%	Not Significant
Clinton	39074	0.305%	<11	0.456%	Not Significant
Columbia	66220	0.518%	<11	0.608%	Not Significant
Crawford	86164	0.674%	<11	0.456%	Not Significant
Cumberland	247433	1.934%	<11	1.064%	Not Significant
Dauphin	274515	2.146%	<11	1.216%	Not Significant
Delaware	563527	4.406%	34	5.167%	Not Significant
Elk	30608	0.239%	<11	0.152%	Not Significant
Erie	275972	2.158%	13	1.976%	Not Significant
Fayette	132289	1.034%	<11	0.608%	Not Significant
Franklin	153751	1.202%	<11	1.064%	Not Significant

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Greene	37144	0.29%	<11	0.152%	Not Significant
Indiana	85755	0.67%	<11	0.304%	Not Significant
Jefferson	44084	0.345%	<11	0.304%	Not Significant
Lackawanna	211454	1.653%	<11	0.304%	Significant (0.05)
Lancaster	538347	4.209%	20	3.04%	Not Significant
Lawrence	87382	0.683%	<11	0.304%	Not Significant
Lehigh	362613	2.835%	<11	1.064%	Significant (0.01)
Luzerne	317884	2.485%	<11	0.76%	Significant (0.01)
Lycoming	114859	0.898%	<11	1.216%	Not Significant
Mercer	112630	0.881%	<11	0.912%	Not Significant
Mifflin	46362	0.362%	<11	1.064%	Significant (0.01)
Monroe	167586	1.31%	14	2.128%	Not Significant
Montgomery	821301	6.421%	30	4.559%	Not Significant
Northampton	301778	2.359%	<11	0.152%	Significant (0.001)
Northumberland	92325	0.722%	<11	0.456%	Not Significant
Out of State	<11	0%	<11	1.064%	Significant (0.001)
Philadelphia	1575522	12.317%	219	33.283%	Significant (0.001)
Potter	16937	0.132%	<11	0.152%	Not Significant
Schuylkill	143555	1.122%	<11	0.456%	Not Significant
Snyder	40466	0.316%	<11	0.152%	Not Significant
Somerset	74949	0.586%	<11	0.456%	Not Significant
Venango	52376	0.409%	<11	0.456%	Not Significant
Warren	40035	0.313%	<11	0.152%	Not Significant
Washington	207547	1.623%	<11	0.76%	Not Significant
Wayne	51536	0.403%	<11	0.152%	Not Significant
Westmoreland	354751	2.773%	17	2.584%	Not Significant
York	444014	3.471%	11	1.672%	Significant (0.05)

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Census by Diagnoses

The following tables detail the census for each state hospital, separated by level of care, for patients who have a specific category of diagnosis. Please note that patients may have multiple diagnoses and may therefore be represented on each table more than once.

Number of Patients by Mental Health Diagnosis in the State Hospital System as of December 31, 2019

Diagnosis	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Behavioural and emotional disorders with onset usually occurring in childhood and adolescence	<11	<11	<11	11	<11	11	32	<11	<11	<11	<11	<11	49
Behavioural syndromes associated with physiological disturbances and physical factors	<11	<11	<11	<11	<11	<11	14	<11	<11	<11	<11	<11	15
Disorders of adult personality and behaviour	21	27	<11	45	22	66	191	23	17	40	17	45	293
Disorders of psychological development	<11	<11	<11	<11	<11	<11	25	<11	<11	<11	<11	<11	31
Intellectual disability	<11	12	<11	<11	<11	22	49	19	<11	25	11	<11	88
Mood (affective) disorders	21	26	14	25	31	34	151	47	21	68	60	22	301
Neurotic, stress-related, and somatoform disorders	24	30	<11	21	18	23	119	<11	<11	16	40	<11	184
Organic, including symptomatic, mental disorders	12	<11	<11	<11	<11	17	51	<11	<11	15	88	<11	154
Other mental disorder	0	0	0	0	0	0	0	0	0	0	0	0	0
Schizophrenia, schizotypal, and delusional disorders	121	130	46	90	112	218	717	171	90	261	95	<11	1,073
Severe cranial injury, including concussion and TBI	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	12
Substance use disorder	47	52	22	62	58	79	320	62	52	114	43	<11	479

This table is a census of all patients in the state hospital system taken on December 31, 2019, separated by facility, level of care, and mental health diagnosis.

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Number of Patients by Physical Health Diagnosis in the State Hospital System as of December 31, 2019

Diagnosis	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Certain conditions originating in the perinatal period	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Congenital malformations, deformations, and chromosomal abnormalities	<11	<11	<11	<11	<11	<11	17	<11	<11	<11	<11	<11	26
Diseases of the blood and blood-forming organs, and certain disorders involving the immune mechanism	20	19	<11	19	16	30	106	<11	<11	<11	27	12	155
Diseases of the central nervous system	55	34	<11	34	19	52	201	13	30	43	86	25	355
Diseases of the circulatory system	58	64	19	60	44	105	350	52	21	73	61	<11	488
Diseases of the digestive system	94	93	14	85	68	157	511	30	51	81	92	45	729
Diseases of the genitourinary system	40	19	<11	41	18	45	167	11	<11	21	39	<11	236
Diseases of the musculoskeletal system and connective tissue	41	45	<11	47	34	55	229	16	11	27	67	21	344
Diseases of the respiratory system	48	52	<11	33	31	64	235	19	16	35	32	45	347
Diseases of the skin and subcutaneous tissue	18	31	<11	22	16	33	123	<11	<11	12	27	29	191
Disorders of sensory organs	21	86	<11	24	<11	47	185	13	<11	22	33	14	254
Endocrine, nutritional, and metabolic diseases	131	124	21	116	108	207	707	54	86	140	87	55	989
Infectious and parasitic diseases	<11	11	<11	<11	11	21	65	12	<11	16	19	<11	103
Neoplasms	<11	<11	<11	<11	<11	14	36	<11	<11	<11	<11	<11	47
Other diagnoses	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Other injury, poisoning, or external causes of morbidity and mortality	<11	35	<11	<11	<11	<11	64	<11	<11	15	19	<11	100
Pregnancy, childbirth, and the puerperium	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Specific signs and symptoms	69	48	15	60	78	110	380	21	25	46	117	30	573

This table is a census of all patients in the state hospital system taken on December 31, 2019, separated by facility, level of care, and physical health diagnosis.

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Number of Patients with a Substance Use Disorder by Substance in the State Hospital System as of December 31, 2019

Substance	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Alcohol	18	26	<11	33	17	25	125	19	29	48	25	<11	198
Amphetamines	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Cannabinoids	<11	11	<11	<11	13	<11	54	12	14	26	<11	<11	86
Cocaine	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	26
Hallucinogens	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	12
Opioids	<11	<11	<11	<11	<11	<11	19	<11	15	18	<11	<11	39
Other drug dependence	<11	17	<11	22	15	27	101	38	12	50	14	<11	166
Prescription medications	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Sedatives and Hypnotics	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Stimulants	<11	<11	<11	<11	<11	<11	<11	<11	<11	11	<11	<11	23
Tobacco	34	<11	<11	28	33	35	140	<11	<11	<11	<11	<11	153

This table is a census of all patients diagnosed with a substance use disorder in the state hospital system taken on December 31, 2019, separated by facility, level of care, and substance.

Appendix

Glossary of Terms

- Level of Care
  - PS: Psychiatric Care; a.k.a. Civil Units
  - FO: Forensic Care
  - LT: Long Term Care
  - SRTP: Sexual Responsibility and Treatment Program (Act-21)
- State Hospital Abbreviations/Facility Codes
  - CLA: Clarks Summit State Hospital
  - DAN: Danville State Hospital
  - NOR: Norristown State Hospital
  - SOU: South Mountain Restoration Center
  - TOR: Torrance State Hospital
  - WAR: Warren State Hospital
  - WER: Wernersville State Hospital

Data Sets

- Patient Tracking System (PTS)
  - These data are extracted from the State Facility Tracking System and provided to us by the PA Dept. of Human Services. The extraction date of the data for this report is Feb 16, 2021.
  - Pennsylvania Department of Human Services, State Facility Tracking System. (2021). *Patient Tracking System* [XLSX file] Harrisburg, PA.
  - The variables used in this data set are listed below with their definitions.
- Pennsylvania County Population Data
  - These data are pulled from the U.S. Census Bureau's American Community Survey.
  - United States Census Bureau, Population Division. (June 2019). *U.S. Census Bureau, American Community Survey 1-Year Estimates* [CSV file]. Retrieved from https://data.census.gov/cedsci/table?q=pennsylvania%20population&g=0400000US42.050000&tid=ACSDT1Y2019.B01003&hidePreview=true
  - This data set provides population estimates for each year from 2010 through 2019.

Methodology

- Null/Missing County Data
  - 14.89% of the records in the PTS data set contain missing county data.

  - Within the PTS data set, the Base Service Unit (BSU) is also recorded. The BSU is defined as "…an organizational unit consisting of multidisciplinary professional and nonprofessional staff capable of planning, directing and coordinating appropriate services for individuals with an intellectual disability and in need of service from the county program" (055 PA Code § 6201.12).
  - For each record with missing county data, the county corresponding to that patient's BSU of record will be used instead. This leaves only 0% of the records with missing county data.
- Population Estimates
  - The U.S. Census Bureau tends to release new population estimates each June for the previous year. Therefore, all calculations in this report that require population counts will be conducted using population counts from the previous year.
  - Populations for each area tend to have little variation in the span of a single year, so the estimates from the previous year will be considered an analogous and valid alternative.
- County of Origin for New Patients
  - The significance level is based on the *p-value* produced by a Pearson's Chi-squared test of two proportions with Yates' continuity correction applied where possible.
  - A smaller *p-value* indicates greater statistical significance. Any value above 0.05 is considered not statistically significant.
  - Note that if the number of total patients statewide for a given category is low, significance level may be inaccurate, as small sample sizes have fewer degrees of freedom (This may be partially corrected via Yates). This is most likely to occur in long term care and SRTP (Act-21) care.
  - Yates' continuity correction is applied to cases with small sample sizes, and may increase the *p-value* produced by the test. Please note that Yates has a tendency to over-correct, increasing the risk of type II error.
  - It should be noted that patients listed as "Out of State" will have zero percent of the state population. Therefore, it is likely that a single patient may cause the *p-value* for "Out of State" patients to be significant.